

**AMENDMENTS TO CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A treatment using silica gel to reduce sulfur in catalytically processed gasoline and in intermediate crude-oil distillates, characterized by use of a chemical absorption filter including a silica gel packing for absorbing the sulfur present in catalytic and intermediate crude-oil distillates and not eliminated in sulfur-reduction processes employed in catalytic cracking and intermediate crude-oil distillation plants, and further characterized by producing catalytically processed gasoline with a sulfur content of less than between 0.14% and 0.16% by weight.

2. (currently canceled)

3. (original) The treatment in accordance with Claim 1, characterized by producing catalytically processed gasoline with a FBP (final boiling point) approximately between 220°C and 225°C.

4. (original) The treatment in accordance with Claim 1, characterized by employing 28,200 Grade-12 silica gel packed in a vessel or filter open at both ends, through which circulates a flow of catalytically processed gasolines or intermediate crude-oil distillates containing sulfur.

5. (original) The treatment in accordance with Claim 1, characterized by installation of silica gel-packed filters at the exit from catalytically processed gasoline and intermediate crude-oil production processes, provided for subsequent reduction of sulfur content.

6. (currently amended) The treatment in accordance with Claim 1, characterized by ~~the fact that there may be~~ use of multiple filters assembled in series for reduction of sulfur content in catalytically processed gasolines and intermediate crude-oil distillates.

7. (currently amended) The treatment in accordance with Claim 1, wherein the filter operates at the exit temperature and pressure ~~from the~~ of gasoline after sulfur-reduction treatments at catalytic plants ~~for production of catalytically processed gasoline and distillation of intermediate crude oil products.~~

8. (original) The treatment in accordance with Claim 1, characterized by the fact that the filter is used until the output of catalytically processed gasoline from the filter contains 0.15% sulfur by weight, at which time the filter must be changed.

9 - 16 (currently canceled)